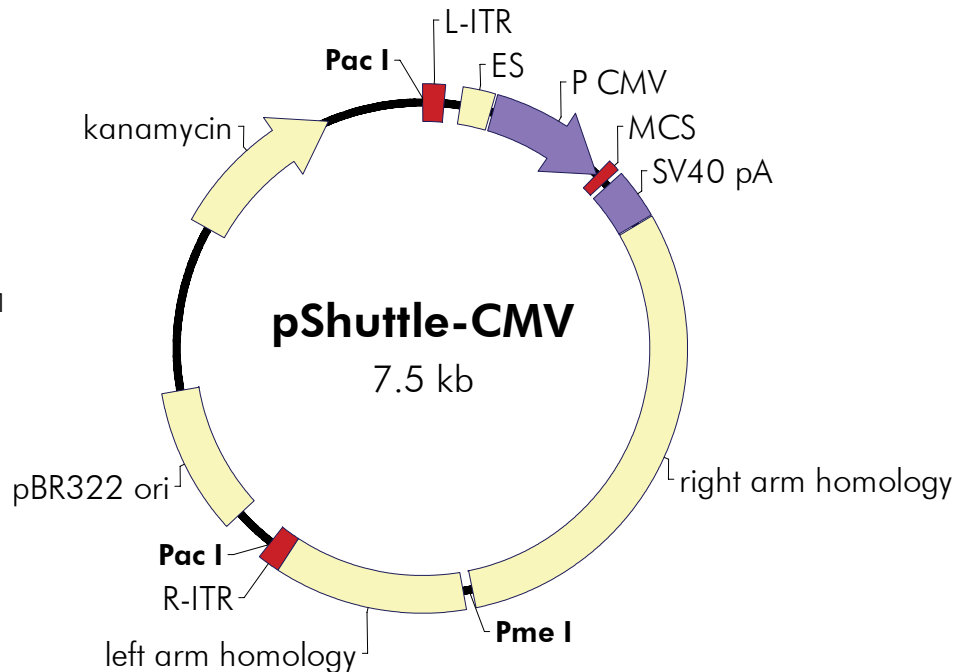


**left inverted terminal repeat** 1–103  
**encapsidation signal (ES)** 183–331  
**CMV promoter** 341–933  
**multiple cloning site** 940–987  
**SV40 polyA** 1011–1238  
**Ad5 right arm homology** 1243–3497  
**Ad5 left arm homology** 3545–4428  
**right inverted terminal repeat** 4429–4531  
**pBR322 origin** 4735–5402  
**kanamycin resistance ORF** 6211–7002



### pShuttle-CMV Multiple Cloning Site Region (sequence shown 888–1031)

**Forward primer binding site**

GGTCTATATAAGCAGAGCTGGTTTAGTGAACCGTCAGATCCGCTAG...

...AGATCTGGTACCGTTCGACGCGGCCGCTCGAGCCTAAGCTTCTAGATAAGATATC...  
 Kpn I, Sal I, Not I, Xho I, Hind III, EcoR V

**Reverse primer binding site**

...CGATCCACCGGATCTAGATAACTGATCATAATCAGCCATACCAC